

الاجابة النموذجية لصفحة 10

$$x_1 = \frac{10}{0-} = \frac{1-17}{9-2} = \frac{(0-2 \times 3) - 17}{9-2} \quad (1) \quad \text{د}$$

$$\frac{1-2x+1+4x}{(4x+3)(1+4x)(0-x)} \cdot \frac{1}{x} \Leftrightarrow \frac{1}{4x+3} + \frac{1}{0-x} \cdot \frac{1}{x} \quad (2)$$

$$\frac{1}{0-} = \frac{7}{10-} = \frac{7}{3 \times 1 \times 0-} \Leftrightarrow \frac{7}{(4x+3)(1+4x)(0-x)} \cdot \frac{1}{x}$$

$$0 = \frac{7}{1+4x} + \frac{(0-x)}{1+4x} - \frac{(4x+3)}{1+4x} \quad (3) \quad \text{ك}$$

$$170 = 7 + 2 - 10 \Leftrightarrow 1 \times 7 + (0-1) - 3 \times 0$$

$$17 = \frac{2 \times 3}{1} = \frac{(0-x) \cdot 3}{+4x+3} \quad (4)$$

$$\left. \begin{aligned} 3 > 0 & \text{ : } (9-0) \text{ موجب} \\ 3 = 0 & \text{ : } \text{صفر} \\ 3 < 0 & \text{ : } (9-0) \text{ سالب} \end{aligned} \right\} \text{ ل (0-x)} \quad (5)$$

شروط الاتصال

$$\begin{aligned} (1) \text{ ل (3)} & = \text{صفر} \\ (2) \text{ زيار ل (0-x)} & = 3 - (9-3) = \text{صفر} \\ \text{زيار ل (0-x)} & = 3 = (9-3) = \text{صفر} \end{aligned}$$

$$(3) \text{ بما أن ل (3)} = \text{زيار ل (0-x)} = \text{صفر} \quad \text{عند } 3=0$$

$$\therefore \text{ ل (0-x)} = (0-x) \times (0-x) \quad \text{متصل عند } 3=0$$

مبارك بركات
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$$3u - d + k = u\Delta \quad \leftarrow \quad d + u = u \quad u = \mu \quad \textcircled{p} \quad \downarrow$$

$$\text{بند 1} \quad \bar{r}_i = \frac{u\Delta}{u\Delta} = 1 \quad \leftarrow u\Delta$$

$$\boxed{u-1} = \frac{(u-1) \cdot d}{d} \quad \leftarrow d \quad \bar{r}_i = \frac{d + u - c}{d} \quad \leftarrow d$$

$$\frac{3 \times 1 -}{(u-1)} + \frac{u-1-c}{d} = \frac{u-1}{u-1} \quad \textcircled{u}$$

$$u-1 \times u + u-1 \times c = \frac{u-1}{u-1} \quad \textcircled{c}$$

$$(c-1) \cdot (-1-c) = \frac{u-1}{u-1} \quad \leftarrow \quad \frac{-1-c}{u-1} \times \frac{u-1}{-1-c} = \frac{u-1}{u-1} \quad \textcircled{f}$$

$$(u-1) \cdot (-1-c) = \frac{u-1}{u-1} \quad \leftarrow \quad -1-c = \frac{u-1}{u-1}$$

$$\bar{r}_i = (u-1) \cdot 1 = (u-1) \quad \leftarrow \quad (u-1) \cdot u = (u-1) \quad \textcircled{g}$$

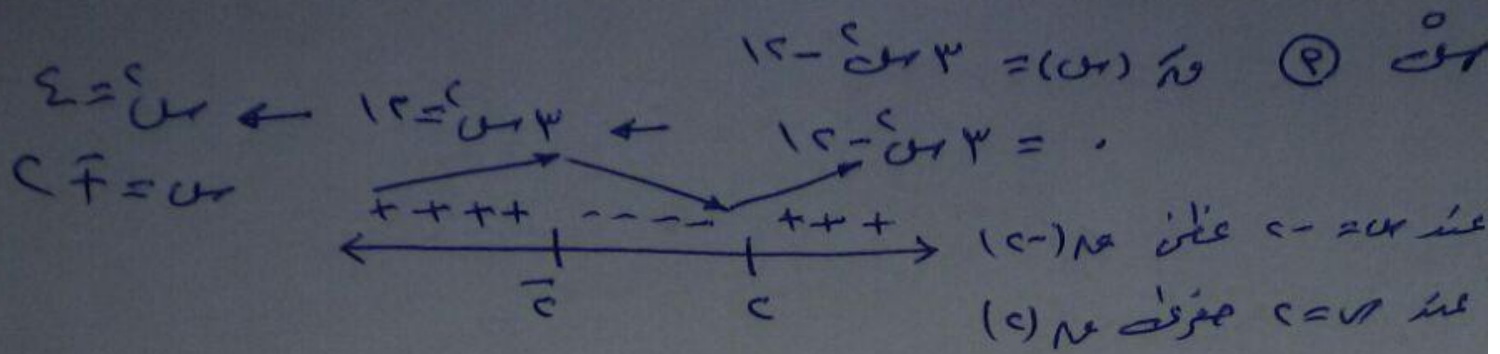
$$1 \times (u-1) + 3 - 1 \times (u-1) \times u = (u-1)$$

$$17 = 1 + 16 = 1 \times c + 3 - 1 \times (c-1) \times 1 = (u-1) = 17$$

$$(u-1) \cdot 17 = 17 - u$$

$$(1-u) \cdot 17 = 17 - u$$

محمد الوكيل
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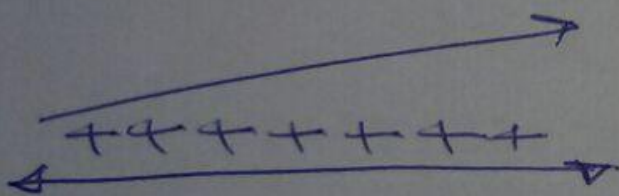


$\text{ب) } \{1, -1, 0\}$ القيم الحرجة

$c = 1$ و $c = -1$ قتراب $(-\infty, 1)$ و $(1, \infty)$
 $c = 0$ قتراب $(-1, 1)$

$\text{ب) } \text{من } 1 \text{ إلى } -1 \text{ عند } c = 0 \text{ هو } (0, 1)$

$\text{نقطة } \textcircled{10}$ $\text{وه } (0, 0) = 0 + 0 = 0$



$\text{وه } (0, 0) = 0 + 0 = 0$
 لا تحلل

\therefore $c = 0$ و $c = 1$ و $c = -1$

مع اعيناتي بالتوقف
 عماد الوصل
 تكملة